



# NAVAL AMMUNITION LOGISTICS CENTER

## SLDCADA Architecture

**SLDCADA CCB**

*21 February 2002*



# **SLDCADA**

## **Architecture**

- ♦ **Systems Architecture**
- **Security Accreditation**
- **Performance Testing**
  - **Web Version**
- **Smartcard Update**



# SLDCADA

# Architecture

- ◆ *Systems Architecture*

- *Hardware*

- ◆ *Sun Enterprise Servers*
      - *Web Application Servers*
      - *Database Servers*

- *Software*

- ◆ *Operating System (Solaris)*
    - ◆ *Database Engine (Oracle 8i)*
    - ◆ *Enterprise Management (Tivoli)*



# SLDCADA

## Architecture

### ♦ Systems Architecture (cont'd)

- Data Warehouses

- ♦ 2 Sites
  - DISA Mechanicsburg, Pa.
  - DISA San Diego, Ca.
- ♦ 2 Platform Sets\per Site
- ♦ Network Back-up
  - DISA Sites
  - Yorktown Remote Network Operations Center (RNOC)



# SLDCADA

# Architecture

- Security Accreditation
  - Client/Server Version (*Powerbuilder*)
    - ◆ DITSCAP Signed
  - Web Version
    - ◆ IATO (*Signed 8/27/2001*)
    - ◆ DITSCAP - *Performance testing continues*



# SLDCADA

## Architecture

### ■ Performance Testing (Web Version)

- *Test Platforms*

- ◆ *RTE Systems (96 workstations set-up)*
- ◆ *Simulates 1-256 Users per System*

- *Multiple Tests*

- ◆ *Local Yorktown\Test Facility (Chicago, Il.)*
- ◆ *Mechanicsburg to Yorktown*
- ◆ *Mechanicsburg to San Diego*
- ◆ *Yorktown to San Diego*



# SLDCADA

## Architecture

- *SmartCard Update*
  - *Working Prototype*
    - ◆ *Developed late FY00*
    - ◆ *Supports barcode, magnetic stripe reader, and SmartCard Technologies*
    - ◆ *Provides Low Level routines to update SLDCADA screen fields, database*



# SLDCADA

# Architecture

- ♦ *SmartCard Update (con't)*
  - *Next Step (FY02)*
    - ♦ *Met with DON CIO Office (Aug 2001)*
      - *Received CAC Developer Kit*
      - *DMDC Demographic API (interface documentation to access DoD Data elements on the CAC)*
      - *CAC Reader Specification*
      - *CAC Middleware Requirements*
    - ♦ *Update Working Prototype Card Access Routines to support DON Standards for Log-On, Email Encryption/Decryption, Electronic Signatures, Authentication, and data storage/retrieval functions.*



# SLDCADA

## Architecture

- ♦ *SmartCard Update (con't)*

- *Next Step (FY02)*

- ♦ *Finalize SLDCADA Requirements for CAC*
    - ♦ *Determine Requirement-based Design Decision on Card Centric vs. Web-Centric Deployment Strategy*
      - *Hybrid Card Architecture (HCA)*
        - *Static Data common to all (card-centric)*
        - *Application\Organizational Specific (Static and/or Dynamic) - Web-Centric*
        - *SLDCADA Architecture supports HCA*